

# Paving the path to performance Excellence

## Greenperform Prime Gen2

In an age where sustainability, high performance/productivity standards and building unique identities are the top priorities for businesses, GreenPerform Prime gen2 provides an unmatched highbay solution for a wide range of applications like warehousing, manufacturing, other industrial applications, atriums, airport concourse, sports halls, etc. GreenPerform Prime Gen2 not only guarantees assured performance but also fits stylishly into diverse design plans. Apart from the unique look and feel, it offers best in class system efficacy, superior light quality, multiple beam angles, and glare control to provide the users with nothing less than the best in the industry

### Benefits

- Best in class efficacy of 160 lum/w and Quality lighting leads to lowering total cost of opportunity.
- High quality material and design leads to longer life class for luminaire
- Suitable for use in harsh Industrial environment
- Option of multiple optics and lumen packages providing application flexibility.

# Greenperform Prime Gen2

## Features

- Ingress Protection -IP65
- Impact Resistance IK08
- Inbuilt encapsulated Potted Driver
- Designed for operations under diverse environment from -10°C to 50°C
- Life class is 50000 hours (L70B50 @ Ta45°C)
- Unique round shape design for excellent thermal stability
- Pressure die-cast housing offers excellent corrosion-resistance and robustness.
- System efficiency 160 lm/W
- Three Beam Angles Extra Narrow beam (ENB30°) Narrow beam (NB60°), and Wide Beam (WB90°)
- Internal Surge Protection 6KV
- Current Ripple <10%
- THD<10%

## Application

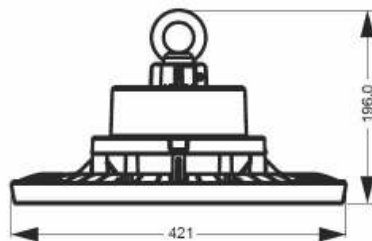
- Manufacturing
- Warehouses
- Airports
- Small Manufacturing facilities

## Warnings and Safety

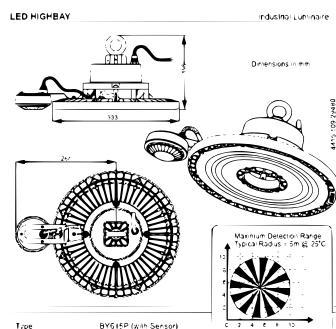
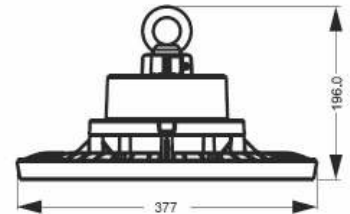
- Meant for use in Indoor Industrial environment only.

## Dimensional drawing

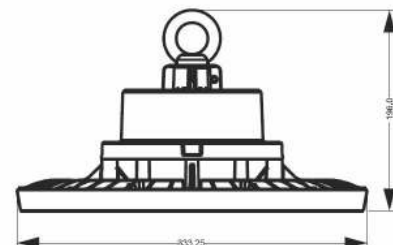
Dimensions in mm



Dimensions in mm



Dimensions in mm



| General Information                |   |
|------------------------------------|---|
| Driver included                    | Yes   |
| Flammability mark                  | For mounting on normally flammable surfaces |
| Light Technical                    |   |
| Correlated Color Temperature (Nom) | 5700 K                                      |
| Optical cover type                 | Micro-lens optic in polycarbonate cover     |
| Optic type                         | -   |
| Operating and Electrical           |   |
| Input Voltage                      | 120 to 277 V                                |
| Line Frequency                     | 50 Hz                                       |
| Temperature                        |   |
| Ambient temperature range          | 0 to +45 °C                                 |
| Mechanical and Housing             |   |
| Housing Color                      | Aluminum and gray                           |
| Approval and Application           |   |
| Protection class IEC               | Safety class I                              |
| Mech. impact protection code       | IK08  |
| Ingress protection code            | IP65  |

Light Technical

| Order Code   | Full Product Name                  | Beam angle of light source | Color rendering |  | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|--------------|------------------------------------|----------------------------|-----------------|--|---------------------------------|---------------|
|              |                                    |                            | index (CRI)     |  |                                 |               |
| 919515815449 | BY615P LED100S 5700 NB PSU GR      | 60 degree(s)               | ≥70             |  | 160 lm/W                        | 10,000 lm     |
| 919515815450 | BY615P LED100S 5700 WB PSU GR      | 90 degree(s)               | ≥70             |  | 160 lm/W                        | 10,000 lm     |
| 919515815451 | BY615P LED150S 5700 NB PSU GR      | 60 degree(s)               | ≥70             |  | 160 lm/W                        | 15,000 lm     |
| 919515815452 | BY615P LED150S 5700 WB PSU GR      | 90 degree(s)               | ≥70             |  | 160 lm/W                        | 15,000 lm     |
| 919515815453 | BY616P LED200S 5700 NB PSU GR      | 60 degree(s)               | ≥70             |  | 160 lm/W                        | 20,000 lm     |
| 919515815455 | BY616P LED250S 5700 NB PSU GR      | 60 degree(s)               | ≥70             |  | 160 lm/W                        | 25,000 lm     |
| 919515815457 | BY617P LED300S 5700 NB PSU GR      | 60 degree(s)               | ≥70             |  | 160 lm/W                        | 30,000 lm     |
| 919515815502 | BY617P LED250S 5700 ENB PSU GR     | 30 degree(s)               | ≥70             |  | 160 lm/W                        | 25,000 lm     |
| 919515815503 | BY617P LED300S 5700 ENB PSU GR     | 30 degree(s)               | ≥70             |  | 160 lm/W                        | 30,000 lm     |
| 919515815522 | BY615P LED100S 5700 NB PSU GR L1 W | 60 degree(s)               | >70             |  | 160 lm/W                        | 10,000 lm     |
| 919515815523 | BY615P LED150S 5700 NB PSU GR L1 W | 60 degree(s)               | >70             |  | 160 lm/W                        | 15,000 lm     |
| 919515815631 | BY615P LED100S 5700 WB PSU GR L1 W | 90 degree(s)               | >70             |  | 158 lm/W                        | 9,800 lm      |
| 919515815632 | BY615P LED150S 5700 WB PSU GR L1 W | 90 degree(s)               | >70             |  | 158 lm/W                        | 14,900 lm     |

Operating and Electrical

| Order Code   | Full Product Name             | Power Consumption |
|--------------|-------------------------------|-------------------|
| 919515815449 | BY615P LED100S 5700 NB PSU GR | 64 W              |
| 919515815450 | BY615P LED100S 5700 WB PSU GR | 64 W              |
| 919515815451 | BY615P LED150S 5700 NB PSU GR | 95 W              |
| 919515815452 | BY615P LED150S 5700 WB PSU GR | 95 W              |
| 919515815453 | BY616P LED200S 5700 NB PSU GR | 125 W             |
| 919515815455 | BY616P LED250S 5700 NB PSU GR | 157 W             |
| 919515815457 | BY617P LED300S 5700 NB PSU GR | 190 W             |

| Order Code   | Full Product Name                  | Power Consumption |
|--------------|------------------------------------|-------------------|
| 919515815502 | BY617P LED250S 5700 ENB PSU GR     | 157 W             |
| 919515815503 | BY617P LED300S 5700 ENB PSU GR     | 190 W             |
| 919515815522 | BY615P LED100S 5700 NB PSU GR L1 W | 62 W              |
| 919515815523 | BY615P LED150S 5700 NB PSU GR L1 W | 94 W              |
| 919515815631 | BY615P LED100S 5700 WB PSU GR L1 W | 62 W              |
| 919515815632 | BY615P LED150S 5700 WB PSU GR L1 W | 94 W              |

Controls and Dimming

| Order Code   | Full Product Name             | Dimmable |
|--------------|-------------------------------|----------|
| 919515815449 | BY615P LED100S 5700 NB PSU GR | No       |
| 919515815450 | BY615P LED100S 5700 WB PSU GR | No       |
| 919515815451 | BY615P LED150S 5700 NB PSU GR | No       |
| 919515815452 | BY615P LED150S 5700 WB PSU GR | No       |
| 919515815453 | BY616P LED200S 5700 NB PSU GR | No       |
| 919515815455 | BY616P LED250S 5700 NB PSU GR | No       |
| 919515815457 | BY617P LED300S 5700 NB PSU GR | No       |

| Order Code   | Full Product Name                  | Dimmable |
|--------------|------------------------------------|----------|
| 919515815502 | BY617P LED250S 5700 ENB PSU GR     | No       |
| 919515815503 | BY617P LED300S 5700 ENB PSU GR     | No       |
| 919515815522 | BY615P LED100S 5700 NB PSU GR L1 W | Yes      |
| 919515815523 | BY615P LED150S 5700 NB PSU GR L1 W | Yes      |
| 919515815631 | BY615P LED100S 5700 WB PSU GR L1 W | Yes      |
| 919515815632 | BY615P LED150S 5700 WB PSU GR L1 W | Yes      |

Initial Performance (IEC Compliant)

| Order Code   | Full Product Name             | Initial chromaticity |
|--------------|-------------------------------|----------------------|
| 919515815449 | BY615P LED100S 5700 NB PSU GR | <5                   |
| 919515815450 | BY615P LED100S 5700 WB PSU GR | <5                   |
| 919515815451 | BY615P LED150S 5700 NB PSU GR | <5                   |
| 919515815452 | BY615P LED150S 5700 WB PSU GR | <5                   |
| 919515815453 | BY616P LED200S 5700 NB PSU GR | <5                   |
| 919515815455 | BY616P LED250S 5700 NB PSU GR | <5                   |
| 919515815457 | BY617P LED300S 5700 NB PSU GR | <5                   |

| Order Code   | Full Product Name                  | Initial chromaticity |
|--------------|------------------------------------|----------------------|
| 919515815502 | BY617P LED250S 5700 ENB PSU GR     | <5                   |
| 919515815503 | BY617P LED300S 5700 ENB PSU GR     | <5                   |
| 919515815522 | BY615P LED100S 5700 NB PSU GR L1 W | -                    |
| 919515815523 | BY615P LED150S 5700 NB PSU GR L1 W | -                    |
| 919515815631 | BY615P LED100S 5700 WB PSU GR L1 W | -                    |
| 919515815632 | BY615P LED150S 5700 WB PSU GR L1 W | -                    |

